

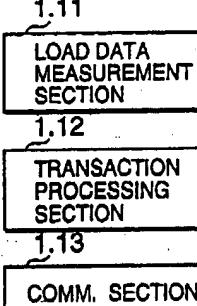
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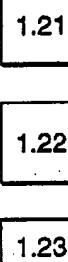
FIG.1

1 GROUP OF COMPUTERS

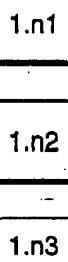
1.1 COMPUTER



1.2 COMPUTER



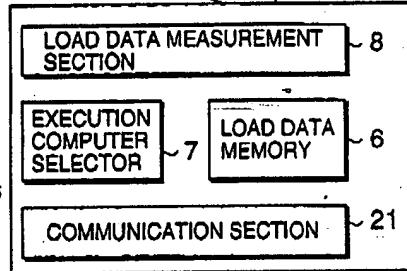
1.n COMPUTER



3 HIGH-SPEED CHANNEL

2 LOAD BALANCING
DEVICE

4 GROUP OF FILE DEVICES

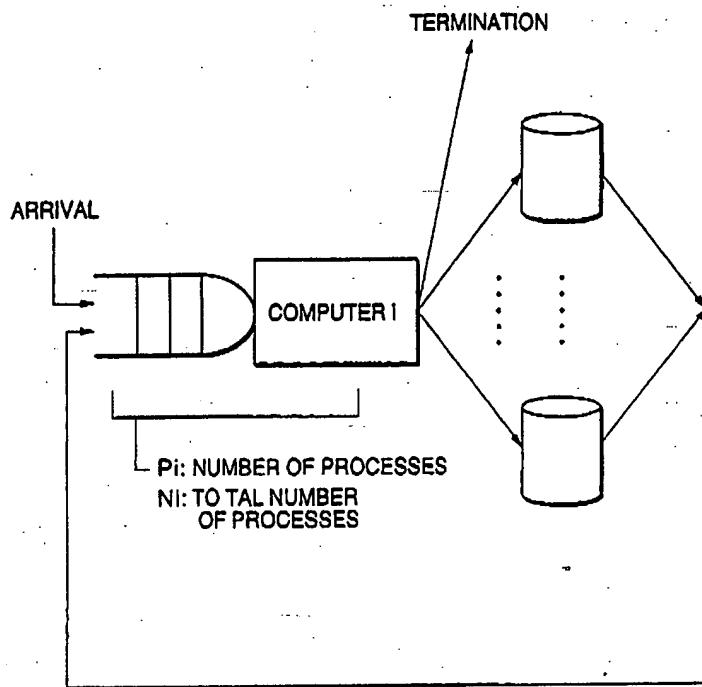
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COMMUNICATION
NETWORK

5 GROUP OF TERMINALS

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FIG.2



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FIG. 3

$$x = p/a/k \quad y = 1/2/3$$

$$x = p/a/k \quad y = 1/2/3$$

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FIG.4A

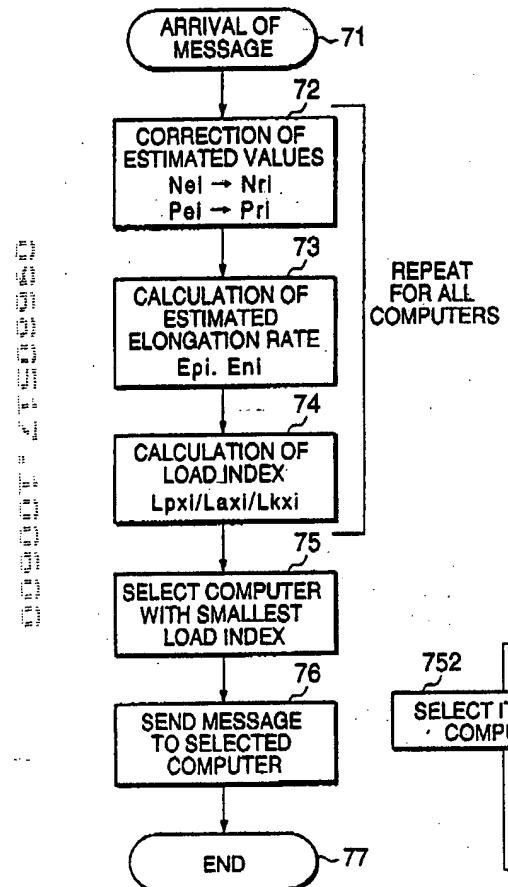
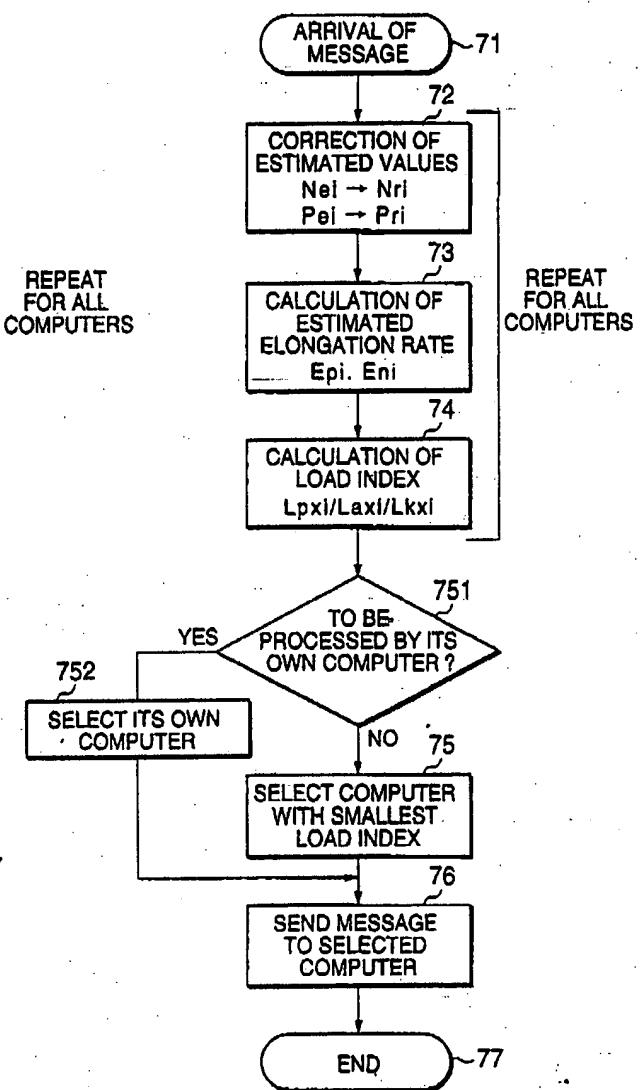


FIG.4B



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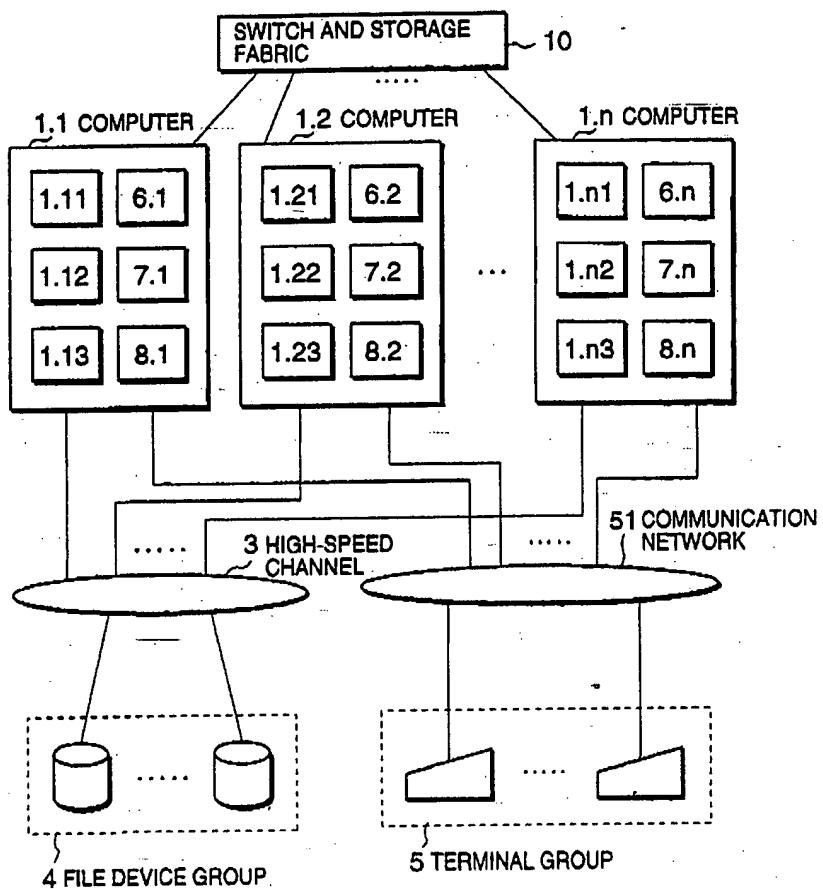
FIG.5

ELONGATION RATE LOAD INDEX	ESTIMATED ELONGATION RATE BEFORE SCHEDULING	ESTIMATED ELONGATION RATE AFTER SCHEDULING	
		UNKNOWN CHARACTERISTICS	ESTIMATED CHARACTERISTICS
ELONGATION RATE AS IS	$Lp1 = Epi$	$La1 = Eni$	$Lk1 = Eki$
ELONGATION RATE MULTIPLIED BY NUMBER OF TRANSACTIONS	$Lp2 = Nni \times Epi$	$La2 = Nni \times Eni$	$Lk2 = Nni \times Eki$
AN INCREASE IN TOTAL ELONGATION RATE	—	$La3 = La2 - Lp2$	$Lk3 = Lk2 - Lp2$

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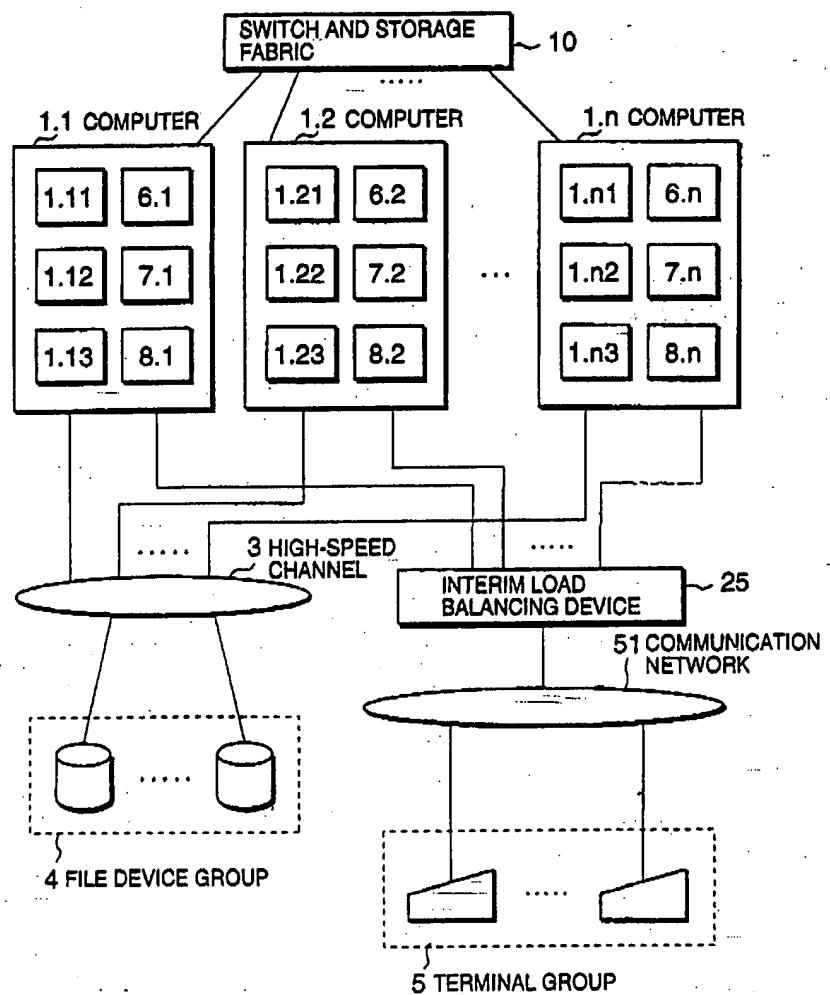
FIG.6



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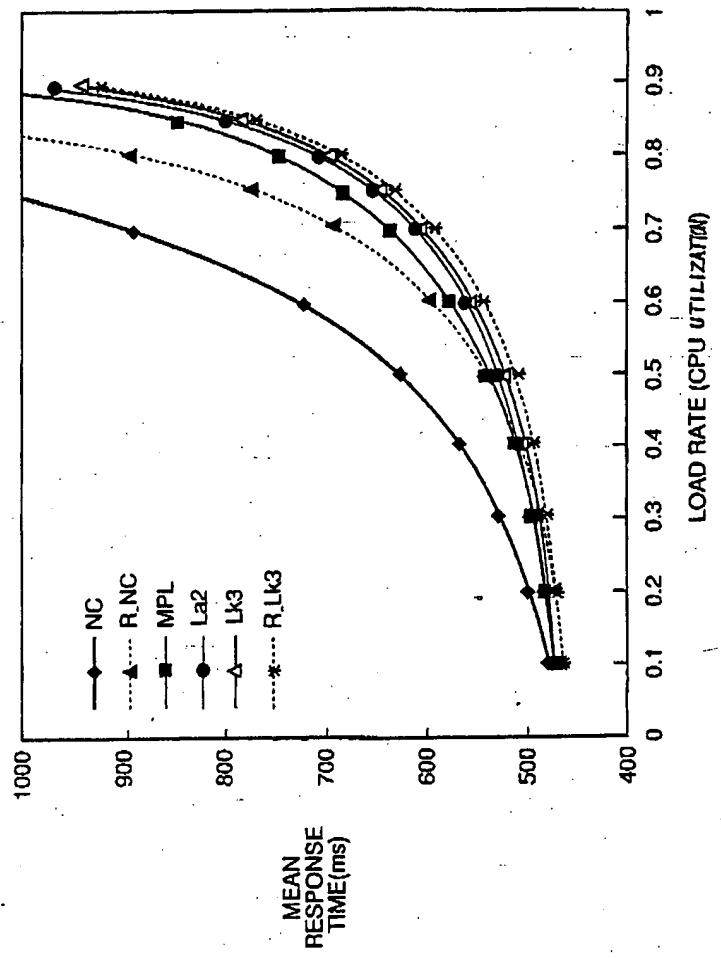
FIG.7



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FIG.8



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FIG.9

